

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Jeffrey K. Harman
Art Unit	3673
Examiner Name	John J. Kreck
Attorney Docket Number	021605.0101N1US

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-5,782,539	07-21-1988	Peterson	
		US- 5,033,795	07-23-1991	Farrar et al.	
		US- 4,952,000	08-28-1990	Lipinski et al.	
		US- 4,505,517	03-19-1985	Seddon et al.	
		US- 4,260,195	04-07-1981	Hart	
		US- 4,232,904	11-11-1980	Hurd	
		US- 4,017,122	04-12-1977	Simpson	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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Substitute for form 1449B/PTO

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Sheet 2 of 2

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Filing Date	
First Named Inventor	Jeffrey K. Harman
Art Unit	3673
Examiner Name	John J. Kreck
Attorney Docket Number	021605.0101N1US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		JERRY TIEN, P.E., Longwall Caving in Thick Seams, Coal Age, April 1998, pp. 52-54.	
		J. RICHARD LUCAS, CHRISTOPHER HAYCOCKS, SME Mining Engineering Handbook, Volume 1, Section 12 - Underground Mining Systems and Equipment, 1973, pp. 12-2 thru 12-262.	
		EUGENE P. PFLEIDER, SME Mining Engineering Handbook, Volume 2, Section 19 - Planning and Designing for Mining Conservation, 1973, pp. 19-2 thru 19-23.	
		SYD S. PENG, Ph.D., Coal Mine Ground Control, Chapter 2 - Mine Layouts and Ground Control Practices in Underground Coal Mines, pp. 5-40.	
		JOHN L. SCHRODER, JR., Elements of Practical Coal Mining, Chapter 14 - Modern Mining Methods - Underground, 1973, pp. 346-376.	
		NICHOLAS P. CHIRONIS, COAL AGE Operating Handbook of Underground Mining, Vol. 1 - Coal Age Library of Operating Handbooks, 1977, pp. 1-103.	
		SKELLY AND LOY, Environmental Assessment of Surface Shortwall Mining, December 21, 1979, pp. 1-180 and attached Appendices.	
		ROBERT H. TRENT, WILLIAM HARRISON, Underground Mining Methods Handbook, Longwall Mining, 1982, pp. 790-849.	
		R. H. TRENT, KENNETH P. KATEN, Underground Mining Methods Handbook, Shortwall Mining, 1982, pp. 850-871.	

Examiner Signature		Date Considered	
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